Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/05/2021 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124783	-1	0.96	124709	0.96
Blue	F	SSC	125000	124403	-1	2.20	124779	2.08
Blue	E	FITC	13131	12757	-3	2.12	293	15.91
Blue	D	PE	24112	23771	-2	1.48	546	10.90
Blue	B	PerCP-Cy5-5	31295	30755	-2	3.01	1015	14.45
Blue	A	PE-Cy7	19939	19602	-2	5.27	523	30.06
Red	C	APC	42122	41004	-3	2.84	1719	11.49
Red	A	APC-Cy7	22340	21680	-3	3.24	811	11.96
Violet	B	V450	7410	7036	-6	3.57	428	12.39
Violet	A	V500	28118	27114	-4	3.16	675	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23238	1.21	572	3	N/A	N/A	Pass
Blue	F	SSC	58101	0.86	523	11	N/A	N/A	Pass
Blue	E	FITC	54	54.62	489	2	0.0385	88	Pass
Blue	D	PE	113	39.41	492	4	0.4445	406	Pass
Blue	B	PerCP-Cy5-5	189	35.94	588	2	0.0203	83	Pass
Blue	A	PE-Cy7	106	68.12	630	2	0.0203	0	Pass
Red	C	APC	396	23.79	579	3	0.0266	119	Pass
Red	A	APC-Cy7	181	27.05	554	3	0.0057	423	Pass
Violet	B	V450	61	63.15	454	1	0.0691	2737	Pass
Violet	A	V500	97	34.48	466	1	0.0249	802	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.58	1.14
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.11	13.60 - 20.40	N/A	N/A	30.01	30.13	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10763

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments